ABSTRACT

The present invention discloses a phosphorus- and nitrogen-containing resin hardener, which has a structure represented by the following formula:

$$R^2HN$$
 N
 N
 N
 N
 N
 N

wherein R² represents a hydrogen atom or a group represented by the following formula:

$$\begin{array}{c|c}
-CH_2-R-CH_2-R & P \\
\hline
0 & P \\
0 & O
\end{array}$$

wherein n is an integer of from 0 to 20, and

R represents phenylene, naphthylene or a group represented by the following formula:

wherein A represents -O-, -S-, -SO₂-, -CO-, -CH₂-, -C(CH₃)₂- or a group represented by the following formula:

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provided that at least one R2 is not a hydrogen atom; and

R¹ represents NHR², C_{1.6}alkyl or phenyl;

in the above groups represented by R and A, the aromatic group can be substituted by one or more substituents selected from the group consisting of hydroxy, amino, carboxy and C_{1-6} alkyl.

The present invention also discloses a flame retarding resin composition containing said hardener.